

Temadur 90

DESCRIPTION

A two component, glossy polyurethane paint, hardener aliphatic isocyanate.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Excellent weathering and abrasion resistance.
- ◆ Recommended as a glossy topcoat for epoxy systems exposed to weathering and/or chemical stress.
- ◆ A durable, easy to clean and non-chalking topcoat with good gloss and colour retention.
- ◆ Recommended for painting of transport and haulage equipment, storage tank exteriors, steel framework and other steel structures, machinery and equipment.

TECHNICAL DATA

Volume solids 55 ± 2 %. (ISO 3233)

Weight solids 68 ± 2 %.

Specific gravity 1.2 ± 0.1 kg / l (mixed)

Mixing ratio and product codes

Base	5 parts by volume	115-series
Hardener	1 part by volume	008 7590

Pot life 4 hours (23 °C)

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
40 µm	75 µm	13.7 m ² /l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying time

DFT 40 µm	+ 5 °C	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	45 min	30 min	20 min	10 min
Touch dry, after	12 h	8 h	4 h	2½ h
Recoatible, after	No limitations.			

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Finish Glossy.

Colours RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards. TEMASPEED tinting.

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APPLICATION DETAILS

Surface preparation	<u>Primed surfaces:</u> Oil, grease, salt and dirt are removed from the surface by appropriate means. Repair any damage to the primer coat. Note the overcoating time of primer. (ISO 12944-4)
Primer	Temacoat GPL-S Primer, Temacoat GF Primer, Temacoat HB Primer, Temacoat PM Primer, Temacoat GPL-S MIO, Temacoat RM 40, Temacoat SPA, Temamastic PM 100, Temabond, Temadur 20, Temadur Primer, Temaprime GF, Fontecoat EP Primer and Fontecryl 10.
Finish	Temadur and Temathane.
Application conditions	All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +5°C during application or drying. Relative humidity should not exceed 80%. The surface temperature of the steel should remain at least 3°C above the dew point.
Mixing components	First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use Temaspeed Squirrel Mixer for mixing.
Application	By airless or conventional spray or by brush. In order to obtain an even, non-porous finish, spray a misty coat: first a thin layer, then let the solvents evaporate for 5-30 minutes and then apply the full coat. Depending on the temperature of the components (base, hardener, thinner) the paint can be thinned 10-22%. The viscosity should be 20-25 s DIN4. Airless spray nozzle tip 0.011"-0.013" and nozzle pressure 120-160 bar. Spray angle shall be chosen according to the shape of the object. At brush application the paint should be thinned according to the circumstances.
Thinner	Thinner 1048 or 1067. Thinner 1061 (fast) is also suitable for conventional spraying.
Cleaning of equipment	Thinner 1048, 1067 or 1061.
VOC	The Volatile Organic Compounds amount is 420 g/litre of paint mixture. VOC content of the paint mixture (thinned 22 % by volume) is 495 g/l. Only for industrial use.
HEALTH AND SAFETY	Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets. A health and safety data sheet is available on request from Tikkurila Oyj.

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